

## INFORMATION DISCLOSURE STATEMENT

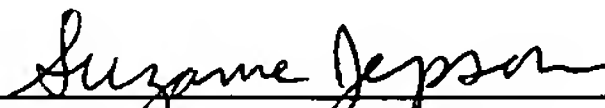
Applicant : Bergquist, et al.  
App. No : 10/530,314  
Filed : April 4, 2005  
For : RANDOM DRIFT MUTAGENESIS  
Examiner : Unassigned  
Art Unit : 1642

## CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

March 3, 2006

(Date)

  
Suzanne G. Jepson, Reg. No. 51,848

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:


Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing twenty-one (21) references to be considered by the Examiner. Also enclosed are twenty (20) foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 3, 2006

By:   
Suzanne G. Jepson  
Registration No. 51,848  
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 2

Application No.	10/530,314
Filing Date	April 4, 2005
First Named Inventor	Peter Leon Bergquist
Art Unit	1642
Examiner	Unknown
Attorney Docket No.	ALAR4.001APC

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,323,030 B1	11-27-2001	Stemmer	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	2	WO 99/20768	04-29-1999	The Procter & Gamble Company		
	3	WO 02/18629 A1	03-07-2002	Macquarie Research Ltd		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	4	Cadwell, et al. 1992. Randomization of genes by PCR mutagenesis. <i>PCR Methods and Applications</i> , 2:28-33.	
	5	Coco, et al. 2001. DNA shuffling method for generating highly recombined genes and evolved enzymes. <i>Nature Biotechnology</i> , 19:354-359.	
	6	Cohen, et al. 2001. <i>In vitro</i> enzyme evolution: The screening challenge of isolating the one in a million. <i>TRENDS in Biotechnology</i> , 19(12):507-510.	
	7	Farinas, et al. 2001. Directed Enzyme Evolution. <i>Current Opinion in Biotechnology</i> , 12:545-551.	
	8	Gibbs, et al. 1995. Cloning, sequencing and expression of a xylanase gene from the extreme thermophile <i>Dictyoglomus thermophilum</i> Rt46B.1 and activity of the enzyme on fiber-bound substrate. <i>Applied and Environmental Microbiology</i> , 61(12):4403-4408.	
	9	Gibbs, et al. 2001. Degenerate oligonucleotide gene shuffling (DOGS): A method for enhancing the frequency of recombination with family shuffling. <i>Gene</i> , 271:13-20.	
	10	Joo, et al. 1999. Laboratory evolution of peroxide-mediated cytochrome P450 hydroxylation. <i>Nature</i> , 399:670-673.	

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

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First Named Inventor	Peter Leon Bergquist
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Examiner	Unknown
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Multiple sheets used when necessary)

SHEET 2 OF 2

## NON PATENT LITERATURE DOCUMENTS

Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	11	Joo, et al. 1999. A high-throughput digital imaging screen for the discovery and directed evolution of oxygenases. <i>Chemistry &amp; Biology</i> , 6(10):699-706.	
	12	Kikuchi, et al. 1999. Novel family shuffling methods for the <i>in vitro</i> evolution of enzymes. <i>Gene</i> , 236:159-167.	
	13	Love, et al. 1988. Sequence structure and expression of a cloned $\beta$ -glucosidase from an extreme thermophile. <i>Mol Gen Genet</i> , 213:84-92.	
	14	Morris, et al. 1998. Cloning of the <i>xynB</i> gene from <i>Dictyoglomus thermophilum</i> Rt46B.1 and action of the gene product on kraft pulp. <i>Applied and Environmental Microbiology</i> , 64(5):1759-1765.	
	15	Ostermeier, et al. 1999. A combinatorial approach to hybrid enzymes independent of DNA homology. <i>Nature Biotechnology</i> , 17:1205-1209.	
	16	Shibuya, et al. 2000. Enhancement of the thermostability and hydrolytic activity of xylanase by random gene shuffling. <i>Biochem. J.</i> , 349:651-656.	
	17	Stemmer, W. P. C. 1994. Rapid evolution of a protein <i>in vitro</i> by DNA shuffling. <i>Nature</i> , 370:389-391.	
	18	Stemmer, W. P. C. 1994. DNA shuffling by random fragmentation and reassembly: <i>In vitro</i> recombination for molecular evolution. <i>Proc. Natl. Acad. USA</i> , 91:10747-10751.	
	19	Zhang, et al. 1997. Directed evolution of a fucosidase from a galactosidase by DNA shuffling and screening. <i>Proc. Natl. Acad. Sci. USA</i> , 94:4504-4509.	
	20	International Search Report from PCT/AU03/01314 dated November 17, 2003.	
	21	International Preliminary Examination Report from PCT/AU2003/001314 dated January 21, 2005.	

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